

AHA Series: 3 Phase Input, 1 Phase Output Frequency Converter

Model		AHFC31-010K
Capacity		10 KVA
Input	Voltage	Three Phase 3W 220Vac -20% +20% or 4W 380Vac -25% +30%
	Frequency	50Hz or 60Hz +/- 5%
Output	Voltage	Single Phase 220Vac +/- 5% (adjustable)
	Frequency	50Hz or 60Hz, 400Hz (option) +/- 0.5%
	Voltage Regulation	+/- 1%
	Frequency Stability	+/- 0.5% (Free Running)
	Transient Response	+/- 3% (100% load variation)
	Waveform	Sinewave THD < 3% at 0-100% linear load
	Overload Capacity	120% load 30 seconds, >150% constant power.
	Power factor	0.7-1, lag
	Crest ratio	3 : 1
Efficiency	AC to AC	>85%
Protection	Overload	125% 30sec.
	Short Circuit	Current Limited and cut-off and fuse and breaker
	EMI/EMC	EN50091-2, CE Approved
Audible Alarm	Mains Failure	Sounding every four seconds after mains fail, 90 seconds mute
	Final Discharge	Sounding once every second as battery approaches
	Overload	Continuously
Indicator	LCD	I/P&O/P voltage, I/P&O/P frequency, Loading %, History record
	LED	Utility LED (green), Inverter LED (green), Fault LED (red), Overload (yellow)
Interface	Contact Closure	Support MEGATEC RUPS UPS monitoring software
	RS-232	Support MEGATEC RUPSII / UPSilon 2000 monitoring software
Environment	Operation Temperature	0-40 degree C; 32-104 degree F
	Relative Humidity	20-90% non-condensing
	Audible Noise	Less than 45dB(at 1 meter)
Physical	Net Weigh (KGS/LBs)	116 kgs w/o battery
	Dimension (WxHxD)mm	480 x 845 x 340

* Specifications are subjected to change without prior notice.